

**UNITED STATES DEPARTMENT OF AGRICULTURE.**

**FEDERAL HORTICULTURAL BOARD.**

**WASHINGTON, D. C.**

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**LETTER OF INFORMATION No. 23.**

**DECEMBER 8, 1916.**

**DEAR SIR:** Since the issuance of Letter of Information No. 22 no interception of insects or diseases of sufficient importance to require special mention has been reported. It will be noted, however, that a number of pests not heretofore reported are included in the accompanying list, and this fact emphasizes the necessity of careful work on the part of inspectors to prevent the introduction of new and injurious insects and plant diseases.

Your special attention is called to the paper entitled "Laspeyresia molesta, an Important New Insect Enemy of the Peach," by A. L. Quaintance and W. B. Wood, of the Bureau of Entomology, published in the Journal of Agricultural Research, Vol. VII, No. 8, page 373, November 20, 1916. All inspectors are requested to be on the lookout for this pest, and it is urged that doubtful specimens be referred to this office for examination.

Yours very truly,

**C. L. MARLATT,**  
*Chairman of Board.*

# LIST, BY COUNTRIES, OF PESTS COLLECTED.

[The number in parentheses following name of host indicates the number of times reported.]

| Country of origin and name of pest.                | Host.                                |
|--|--------------------------------------|
| <b>ANTIGUA, BRITISH WEST INDIES.</b>               |                                      |
| Insects:   |                                      |
| Pseudococcus sp. (mealy bug).....                  | Sugar cane (1).                      |
| Targionia sacchari (scale insect).....             | Do.                                  |
| <b>ARGENTINA.</b>                                  |                                      |
| Insect:  |                                      |
| Ipidae, new genus and species of.....              | Caesalpinia melanocarpa (1).         |
| <b>AUSTRALIA.</b>                                  |                                      |
| Insects:   |                                      |
| Aspidiotus camelliae (greedy scale).....           | Livistona australis (1).             |
| Sitodrepa panicea (Ptinidae).....                  | Atriplex seed (1).                   |
| <b>AZORES ISLANDS.</b>                             |                                      |
| Insect:  |                                      |
| Fiorinia theae (tea scale).....                    | Camellia (1).                        |
| Disease:   |                                      |
| Cladosporium citri.....                            | Citrus (lemon fruits and twigs) (1). |
| <b>BELGIUM.</b>                                    |                                      |
| Insects:   |                                      |
| Aspidiotus britannicus (scale insect).....         | Bay (1).                             |
| Aspidiotus hederæ (ivy scale).....                 | Bay (3), palm (24).                  |
| Chrysomphalus dictyospermi (scale insect).....     | Palm (9).                            |
| Chrysomphalus ficus (Florida red scale).....       | Palm (5).                            |
| Coccus hesperidum (soft brown scale).....          | Aralia (1), bay (13), palm (4).      |
| Diaspis boisduvalii (scale insect).....            | Palm (1).                            |
| Hemichionaspis aspidistrae (aspidistra scale)..... | Aspidistra (8).                      |
| Pseudococcus sp. (mealy bug).....                  | Bay (2), Croton (1), palm (6).       |
| Saissetia hemisphaerica (hemispherical scale)..... | Palm (1).                            |
| Saissetia oleae (black scale).....                 | Aralia (1).                          |
| Disease:   |                                      |
| Colletotrichum omnivorum.....                      | Aspidistra (1).                      |
| <b>BERMUDA.</b>                                    |                                      |
| Insects:   |                                      |
| Aspidiotus hederæ (ivy scale).....                 | Aspidistra (1), Pandanus (1).        |
| Uropoda (Parasitid mite).....                      | Lily bulbs (1).                      |
| Zercon (Parasitid mite).....                       | Do.                                  |
| Diseases:  |                                      |
| Colletotrichum omnivorum.....                      | Aspidistra (2).                      |
| Septoria oleandrina.....                           | Nerium oleander (1).                 |
| <b>BRAZIL.</b>                                     |                                      |
| Insects:   |                                      |
| Bruchus sp. (weevil).....                          | Ipomoea seed (1).                    |
| Diaspis boisduvalii (scale insect).....            | Orchid (1).                          |
| Tenthecoris bicolor (Capsidae).....                | Do.                                  |
| Diseases:  |                                      |
| Diplodia.....                                      | Do.                                  |
| Gloeosporium.....                                  | Do.                                  |
| <b>BRITISH GUIANA.</b>                             |                                      |
| Insect:  |                                      |
| Asterolecanium pustulans (scale insect).....       | Crimson Bougainvillea (1).           |
| <b>CANADA.</b>                                     |                                      |
| Insect:  |                                      |
| Chionaspis pinifoliae (pine scale).....            | Baga Hookeriana (1).                 |

## List, by countries, of pests collected—Continued.

| Country of origin and name of pest.              | Host.                                     |
|--|---|
| <b>CHILE.</b>                                    |   |
| <b>Insects:</b>                                  |   |
| Aleurothrixus sp. (Aleyrodidae) (white fly)..... | "Semilla de Molle" (1).                   |
| Bruchus sp. (weevil).....                        | Do.                                       |
| Epitectis sp. (Gelechiidae).....                 | ? (1).                                    |
| <b>CHINA.</b>                                    |   |
| <b>Insects:</b>                                  |   |
| Bruchus chinensis (weevil).....                  | Vicia faba (1).                           |
| Diaspis pentagona (West Indian peach scale)..... | Amygdalus (2), peach (1).                 |
| Tyroglyphus sp. (mite).....                      | Litchi chinensis (1).                     |
| <b>Diseases:</b>                                 |   |
| Botrytis sp.....                                 | Eleocharis tuberosa (water chestnut) (1). |
| Fusarium sp.....                                 | Pistacia chinensis (1).                   |
| Pestalozzia sp.....                              | Prunus persica (peach) (1).               |
| Phoma samararum.....                             | Maple (1).                                |
| <b>COLOMBIA.</b>                                 |   |
| <b>Insects:</b>                                  |   |
| Blaberus sp. (roach).....                        | Orchid (1).                               |
| Chrysomphalus biformis (scale insect).....       | Do.                                       |
| Chrysomphalus perseae (scale insect).....        | Do.                                       |
| Leaf miners.....                                 | Orchid (3).                               |
| Myrmicine ant, new genus and species.....        | Fiber plant (1).                          |
| Prenolepis longicornis (ant).....                | Orchid (1).                               |
| Rhizoglyphus sp. (mite).....                     | Guayabono del Monte (1).                  |
| Silvanus advena (Cucujidae).....                 | Mango chupa (large red) (1).              |
| Tenthecoris bicolor (Capsidae).....              | Orchid (8).                               |
| <b>Diseases:</b>                                 |   |
| Colletotrichum gloeosporioides.....              | Orchid (1).                               |
| Colletotrichum lindemuthianum.....               | Phaseolus (Bean) (1).                     |
| Diplodia sp.....                                 | Mamona (1).                               |
| Fusarium sp.....                                 | Cotton seed (1).                          |
| Lasioidiplodia sp.....                           | Seepe (1).                                |
| <b>CUBA.</b>                                     |   |
| <b>Insects:</b>                                  |   |
| Phycid.....                                      | Cotton seed (1).                          |
| Targionia sacchari (scale insect).....           | Sugar cane (1).                           |
| <b>Diseases:</b>                                 |   |
| Fusarium sp.....                                 | Sansevieria (1).                          |
| Gloeosporium sp.....                             | Erythroxylon coca (1).                    |
| Pestalozzia sp.....                              | Erythroxylon coca (1), Sansevieria (1).   |
| <b>ENGLAND.</b>                                  |   |
| <b>Insects:</b>                                  |   |
| Aphids.....                                      | Orchid (3).                               |
| Aspidiotus hederæ (ivy scale).....               | Orchid (1).                               |
| Cerataphis lataniae (palm aphid).....            | Orchid (4).                               |
| Chermes abietis (aphid).....                     | Spruce (1).                               |
| Diaspis boisduvalii (scale insect).....          | Orchid (5).                               |
| Eucalymnatus tessellatus (scale insect).....     | Orchid (2).                               |
| Lepidosaphes ulmi (oyster-shell scale).....      | Poplar (1).                               |
| Leptobyrsa explanata (Tingitidae) (eggs).....    | Rhododendron (1).                         |
| Macrosiphum sp. (aphid).....                     | Chrysanthemum (1).                        |
| Pemphiginid, immature.....                       | Alpine plants (1).                        |
| Pseudococcus sp. (mealy bug).....                | Fuchsia (1), Heliotrope (1).              |
| Pulvinaria sp. (scale insect).....               | Orchid (2).                               |
| Tingitid eggs (lacewing).....                    | Rhododendron (1).                         |
| <b>Disease:</b>                                  |   |
| Sclerotinia.....                                 | Golden privet (1).                        |
| <b>ERITREA, AFRICA.</b>                          |   |
| <b>Insects:</b>                                  |   |
| Bruchus obtectus (bean weevil).....              | Virgilia aurea (1).                       |
| Calandra oryza (rice weevil).....                | Bambusa abyssinica (1).                   |

## List, by countries, of pests collected—Continued.

| Country of origin and name of pest.  | Host.  |
|--|--|
| FRANCE.  |  |
| Insects:   |  |
| Aphid.....   | Berberis vulgaris (1).   |
| Apion ulicis.....  | Ulex europaeus (1).  |
| Aspidiotus hederae (ivy scale).....  | Cameilia (1).  |
| Euproctis chrysorrhoea (brown-tail moth) (nests with dead caterpillars).....           | Apple seedling (1).  |
| Euproctis chrysorrhoea (brown-tail moth) (piece of nest with 5 live caterpillars)..... | ? (1).   |
| Notolophus antiqua (European tussock moth) (eggs).....                                 | Maple (1), sycamore (1).   |
| Papilio podolarius (lepidopterous) (2 chrysalids).....                                 | ? (1).   |
| Porthetria dispar (gipsy moth) (broken egg mass).....                                  | Beech seedling (1).  |
| Trichiosoma tibialis (sawfly) (3 cocoons).....   | ? (1).   |
| Diseases:  |  |
| Bacterium tumefaciens (crown gall).....  | Myrobolan plum seedlings (1), syringa (1).   |
| Botrytis sp.....   | Cotoneaster nan-shan (1), Deutzia longiflora (1), Viburnum carlesii (1), Viburnum davidii (1). |
| Clithris quercina.....   | ? (1).   |
| Heterodera radiconicola (nematode).....  | Clematis Wilsonii (1).   |
| Valsa sp. (conidial stage).....  | English oak (1).   |
| GUATEMALA.   |  |
| Insects:   |  |
| Chrysomphalus biformis (scale insect).....   | Orchid (1).  |
| Chrysomphalus perseae (scale insect).....  | Do.  |
| Pseudococcus sp. (mealy bug).....  | Do.  |
| HAWAII.  |  |
| Insect:  |  |
| Pseudococcus sacchari (mealy bug).....   | Sugar cane (1).  |
| HOLLAND.   |  |
| Insects:   |  |
| Aphids.....  | Hydrangea (1), Juniperus virginiana (1), maple (3).  |
| Chionaspis furfura (scurfy scale).....   | Crataegus (1).   |
| Coccus hesperidum (soft brown scale).....  | Bay (2).   |
| Cynipid gall.....  | Oak (1).   |
| Eriophyes buxi (mite).....   | Boxwood (1).   |
| Hemichionaspis aspidistrae (aspidistra scale).....                                     | Aspidistra (2).  |
| Lecanium sp. (scale insect).....   | Boxwood (1).   |
| Lepidosaphes ulmi (oyster-shell scale).....  | Boxwood (10), Crataegus (3), Sorbus (1).   |
| Mite eggs.....   | Junipers (1).  |
| Notolophus antiqua (European tussock moth) (eggs).....                                 | Rose (1).  |
| Psylla buxi (box psylla).....  | Boxwood (7).   |
| Strophosomus coryli (weevil).....  | Oak (1).   |
| Tingitid eggs (lacewing).....  | Rhododendron (1).  |
| Diseases:  |  |
| Bacterium tumefaciens (crown gall).....  | Crataegus (1), flowering cherry (1), rose (1).   |
| Botrytis sp.....   | Fir (1), Laurus (1).   |
| Fusarium sp.....   | Tilia europaea (European linden) (1).  |
| Pestalozzia guepini.....   | Rhododendron (4).  |
| Pestalozzia sp.....  | Do.  |
| Tubercularia sp.....   | Acer palmatum (Japanese maple) (1).  |
| HONDURAS.  |  |
| Insect:  |  |
| Solenopsis parva (ant).....  | Attalea cohune, seeds of (1).  |
| Disease:   |  |
| Diplodia sp.....   | Palm seed (1).   |
| INDIA.   |  |
| Insect:  |  |
| Pseudococcus marchali (mealy bug).....   | Mango (1).   |
| Disease:   |  |
| Puccinia graminis.....   | Wheat (8).   |

## List, by countries, of pests collected—Continued.

| Country of origin and name of pest.                             | Host.   |
|---|---|
| <b>ITALY.</b>   |   |
| Insect:<br><i>Lepidosaphes beckii</i> (purple scale).....       | Citrus cuttings (1).  |
| <b>JAMAICA.</b>   |   |
| Insect:<br><i>Chionaspis</i> sp. (scale insect).....            | Chayotes (1).   |
| <b>JAPAN.</b>   |   |
| Insects:<br><i>Aspidiotus perniciosus</i> (San Jose scale)..... | Chinese sand pear (1).  |
| <i>Diaspis pentagona</i> (West Indian peach scale).....         | Kidu Shidare (1), Mikuruma Gaeshi (1),<br>Persimmon cuttings (1). |
| Gracilarid stem miner.....                                      | Citrus cuttings (1).  |
| <i>Lepidosaphes beckii</i> (purple scale).....                  | Do.   |
| Locustiid, eggs of.....   | Citrus sp. (1).   |
| <i>Pseudaonidia paeoniae</i> (scale insect).....                | Persimmon (1), persimmon (?) (1).                                 |
| Diseases:<br><i>Claviceps</i> sp.....                           | <i>Zoysia pungens</i> (1).  |
| <i>Fusarium</i> sp.....   | Radish (2).   |
| <i>Macrosporium</i> .....                                       | Radish (1).   |
| <i>Sclerotinia</i> sp.....                                      | Radish (3).   |
| <b>MEXICO.</b>  |   |
| Insect:<br><i>Chrysomphalus perseae</i> (scale insect).....     | Orchid (1).   |
| <b>NEWFOUNDLAND.</b>  |   |
| Insect:<br>Tipulidae.....                                       | Iris setosa (1).  |
| <b>NEW ZEALAND.</b>   |   |
| Insects:<br><i>Aspidiotus hederæ</i> (ivy scale).....           | <i>Vitex littoralis</i> (1).                                      |
| <i>Habrocytus</i> sp. (hymenopterous).....                      | <i>Pittosporum</i> sp. (1).                                       |
| <i>Stephanorhynchus crassus</i> (weevil).....                   | Do.   |
| <b>NORTHERN NIGERIA.</b>  |   |
| Insect:<br><i>Bruchus quadrimaculatus</i> (weevil).....         | Small bean (1).   |
| <b>PERU.</b>  |   |
| Insect:<br><i>Eriococcus coccineus</i> (coccid).....            | Echinocactus (1).   |
| Disease:<br><i>Fusarium oxysporum</i> .....                     | Potato (1).   |
| <b>PHILIPPINE ISLANDS.</b>                                      |   |
| Insects:<br><i>Acythopeus aterrimus</i> .....                   | <i>Phalaenopsis schilleriana</i> (1).                             |
| <i>Periplaneta americana</i> (American roach).....              | ? (1).  |
| Disease:<br><i>Gloeosporium</i> sp.....                         | <i>Prosopis juliflora</i> ("Aroma") (1).                          |
| <b>RUSSIA.</b>  |   |
| Insects:<br><i>Bruchus</i> sp. (weevil).....                    | Alhagi camelorum (1), Astragalus paucijugus (1).                  |
| <i>Rhizopertha dominica</i> (lesser grain borer).....           | Wheat (1), winter rye (1).  |
| <i>Tribolium confusum</i> (confused flour beetle).....          | Rye (1).  |
| Disease:<br><i>Phoma samararum</i> .....                        | <i>Fraxinus oxyphylla</i> (ash) (1).                              |
| <b>SCOTLAND.</b>  |   |
| Insects:<br><i>Aspidiotus hederæ</i> (ivy scale).....           | Palm (1).   |
| <i>Chrysomphalus dictyospermi</i> (scale insect).....           | Do.   |
| <i>Chrysomphalus ficus</i> (Florida red scale).....             | Do.   |
| <i>Coccus hesperidum</i> (soft brown scale).....                | <i>Solanum jasminoides</i> (1).                                   |

## List, by countries, of pests collected—Continued.

| Country of origin and name of pest.                              | Host.   |
|--|---|
| <b>SEYCHELLES.</b>   |   |
| Disease:<br>Phoma insidiosa.....                                 | Andropogon sp. (wild Sorghum seed) (2).       |
| <b>SOUTH AMERICA.</b>  |   |
| Insect:<br>Diaspis echinocacti cacti (scale insect).....         | Echinopsis (1).                               |
| <b>SPAIN.</b>  |   |
| Insect:<br>Laria rufimana (weevil).....                          | Vicia faba (1).                               |
| Disease:<br>Alternaria sp.....                                   | Wheat (2).                                    |
| <b>STRAITS SETTLEMENT.</b>                                       |   |
| Insects:<br>Monieziella sp. nov. (mite).....                     | Garcinia mangostana (1).                      |
| Tetramorium (Tetrogmus) simillimum (ant).....                    | Mauritius pineapple (1), pineapple plant (1). |
| Tyroglyphus sp. nov. (mite).....                                 | Garcinia mangostana (1).                      |
| <b>SUDAN, ANGLO-EGYPTIAN.</b>                                    |   |
| Insect:<br>Aphis maidis.....                                     | Barley (1).                                   |
| <b>TURKEY.</b>   |   |
| Insect:<br>Silvanus surinamensis (saw-toothed grain beetle)..... | Apricot seed (1).                             |
| <b>VENEZUELA.</b>  |   |
| Insects:<br>Chrysomphalus perseae (scale insect).....            | Orchid (1).                                   |
| Diaspis boisduvalii (scale insect).....                          | Do.   |
| Grasshopper nymphs.....  | Do.   |
| Periplaneta australasiae (Australian roach).....                 | Do.   |
| Prenolepis longicornis (ant).....                                | Do.   |
| Pseudoscorpions.....   | Do.   |
| Springtails.....   | Do.   |
| Tenthecoris bicolor (Capsidae).....                              | Orchid (6).                                   |
| Disease: Uredo sp.....   | Orchid (1).                                   |

## LIST, BY STATES, OF PESTS COLLECTED.

[The number in parentheses following name of country indicates the number of times reported.]

| State in which collected and name of pest.       | Host.                                | Country of origin.                          |
|--|--------------------------------------|---|
| <b>CALIFORNIA.</b>                               |                                      |   |
| <b>Insects:</b>                                  |                                      |   |
| Aphids.....                                      | Orchid.....                          | England (3).                                |
| Cerataphis lataniae (palm aphid).....            | do.....                              | England (4).                                |
| Chionaspis pinifoliae (pine scale).....          | Baga Hookeriana.....                 | Canada (1).                                 |
| Diaspis boisduvalii (scale insect).....          | Orchid.....                          | Brazil (1), England (4), Ven-<br>zuela (1). |
| Eucalymnatus tessellatus (scale insect).....     | do.....                              | England (2).                                |
| Pulvinaria sp. (scale insect).....               | do.....                              | Do.   |
| <b>Diseases:</b>                                 |                                      |   |
| Bacterium tumefaciens (crown gall).....          | Myrobolan plum seedlings.....        | France (1).                                 |
| Cladosporium citri.....                          | Citrus (lemon fruits and twigs)..... | Azores Islands (1).                         |
| <b>CONNECTICUT.</b>                              |                                      |   |
| <b>Insects:</b>                                  |                                      |   |
| Cynipid gall.....                                | Oak.....                             | Holland (1).                                |
| Lepidosaphes ulmi (oyster-shell scale).....      | Boxwood.....                         | Do.   |
| Psylla buxi (box psylla).....                    | do.....                              | Do.   |
| <b>Disease:</b>                                  |                                      |   |
| Sclerotinia.....                                 | Golden privet.....                   | England (1).                                |
| <b>DISTRICT OF COLUMBIA.</b>                     |                                      |   |
| <b>Insects:</b>                                  |                                      |   |
| Aleurothrixus sp. (Aleyrodidae) (white fly)..... | "Semilla de Molle".....              | Chile (1).                                  |
| Aphis maidis.....                                | Barley.....                          | Anglo-Egyptian Sudan (1).                   |
| Apion ulicis.....                                | Ulex europaeus.....                  | France (1).                                 |
| Aspidiotus camelliae (greedy scale).....         | Livistona australis.....             | Australia (1).                              |
| Aspidiotus hederæ (ivy scale).....               | Vitex littoralis.....                | New Zealand (1).                            |
| Aspidiotus perniciosus (San Jose scale).....     | Chinese sand pear.....               | Japan (1).                                  |
| Asterolecanium pustulans (scale insect).....     | Crimson Bougainvillea.....           | British Guiana (1).                         |
| Bruchus chinensis (weevil).....                  | Vicia faba.....                      | China (1).                                  |
| Bruchus obtectus (bean weevil).....              | Virgilia aurea.....                  | Eritrea, Africa (1).                        |
| Bruchus quadrimaculatus (weevil).....            | Small bean.....                      | Northern Nigeria (1).                       |
| Bruchus sp. (weevil).....                        | Alhagi camelorum.....                | Russia (1).                                 |
| Do.....  | Astragalus paucijugus.....           | Do.   |
| Do.....  | Ipomoea seed.....                    | Brazil (1).                                 |
| Do.....  | "Semilla de Molle".....              | Chile (1).                                  |
| Calandra oryza (rice weevil).....                | Bambusa abyssinica.....              | Eritrea, Africa (1).                        |
| Chionaspis sp. (scale insect).....               | Chayotes.....                        | Jamaica (1).                                |
| Coccus hesperidum (soft brown scale).....        | Solanum jasminoides.....             | Scotland (1).                               |
| Diaspis boisduvalii (scale insect).....          | Orchid.....                          | England (1).                                |
| Diaspis echinocacti cacti (scale insect).....    | Echinopsis.....                      | South America (1).                          |
| Diaspis pentagona (West Indian peach scale)..... | Amygdalus.....                       | China (2).                                  |
| Do.....  | Kidu Shidare.....                    | Japan (1).                                  |
| Do.....  | Mikuruma Gaeshi.....                 | Do.   |
| Do.....  | Peach.....                           | China (1).                                  |
| Do.....  | Persimmon cuttings.....              | Japan (1).                                  |
| Do.....  | .....                                | Chile (1).                                  |
| Epitheatia sp. (Gelechiidae).....                | Echinocactus.....                    | Peru (1).                                   |
| Eriococcus coccineus (coccid).....               | Citrus cuttings.....                 | Japan (1).                                  |
| Gracilarid stem miner.....                       | Pittosporum sp.....                  | New Zealand (1).                            |
| Habrocytus sp. (hymenopterous).....              | Caesalpinia melanocarpa.....         | Argentina (1).                              |
| Ipidæ, new genus and species of.....             | Vicia faba.....                      | Spain (1).                                  |
| Laria rufimana (weevil).....                     | Citrus cuttings.....                 | Italy (1), Japan (1).                       |
| Lepidosaphes beekii (purple scale).....          | Citrus sp.....                       | Japan (1).                                  |
| Locustid, eggs of.....                           | Chrysanthemum.....                   | England (1).                                |
| Macrosiphum sp. (aphid).....                     | Garcinia mangostana.....             | Straits Settlements (1).                    |
| Monieziella sp. nov. (mite).....                 | Fiber plant.....                     | Colombia (1).                               |
| Myrmicine ant, new genus and species.....        | Alpine plants.....                   | England (1).                                |
| Pemphiginid, immature.....                       |                                      |   |

## List, by States, of pests collected—Continued.

| State in which collected and name of pest.            | Host.                                     | Country of origin.                          |
|---|---|---|
| DISTRICT OF COLUMBIA—continued.                       |   |   |
| Insects—Continued.                                    |   |   |
| Phycid.....   | Cotton seed.....                          | Cuba (1).                                   |
| Pseudaonidia paeoniae (scale insect).....             | Persimmon.....                            | Japan (1).                                  |
| Do.....   | Persimmon (?).....                        | Do.   |
| Pseudococcus marchali (mealy bug).....                | Mango.....                                | India (1).                                  |
| Pseudococcus sacchari (mealy bug).....                | Sugar cane.....                           | Hawaii (1).                                 |
| Pseudococcus sp. (mealy bug).....                     | do.....                                   | Antigua, British West Indies (1).           |
| Rhizoglyphus sp. (mite).....                          | Guayabono del Monte.....                  | Colombia (1).                               |
| Rhizopertha dominica (lesser grain borer).....        | Wheat.....                                | Russia (1).                                 |
| Do.....   | Winter rye.....                           | Do.   |
| Saissetia hemisphaerica (hemispherical scale).....    | Palm.....                                 | Belgium (1).                                |
| Silvanus advena (Cucujidae).....                      | Mango chupa (large red).....              | Colombia (1).                               |
| Silvanus surinamensis (saw-toothed grain beetle)..... | Apricot seed.....                         | Turkey (1).                                 |
| Sitodrepa panicea (Ptinidae).....                     | Atriplex seed.....                        | Australia (1).                              |
| Solenopsis parva (ant).....                           | Attalea cohune, seeds of.....             | Honduras (1).                               |
| Stephanorhynchus crassus (weevil).....                | Pittsoporum sp.....                       | New Zealand (1).                            |
| Targionia sacchari (scale insect).....                | Sugar cane.....                           | Antigua, British West Indies (1), Cuba (1). |
| Tetramorium (Tetrogmus) simillimum (ant).....         | Mauritius pineapple.....                  | Straits Settlements (1).                    |
| Do.....   | Pineapple plant.....                      | Do.   |
| Tipulidae.....  | Iris setosa.....                          | Newfoundland (1).                           |
| Tribolium confusum (confused flour beetle).....       | Rye.....                                  | Russia (1).                                 |
| Tyroglyphus sp. (mite).....                           | Litchi chinensis.....                     | China (1).                                  |
| Tyroglyphus sp. nov. (mite).....                      | Garcinia mangostana.....                  | Straits Settlements (1).                    |
| Uropoda (Parasitid mite).....                         | Lily bulbs.....                           | Bermuda (1).                                |
| Zercon (Parasitid mite).....                          | do.....                                   | Do.   |
| Diseases:   |   |   |
| Alternaria sp.....                                    | Wheat.....                                | Spain (2).                                  |
| Botrytis sp.....                                      | Cotoneaster nan-shan.....                 | France (1).                                 |
| Do.....   | Deutzia longiflora.....                   | Do.   |
| Do.....   | Eleocharis tuberosa (water chestnut)..... | China (1).                                  |
| Do.....   | Viburnum carlesii.....                    | France (1).                                 |
| Do.....   | Viburnum davidii.....                     | Do.   |
| Claviceps sp.....                                     | Zoysia pungens.....                       | Japan (1).                                  |
| Colletotrichum lindemuthianum.....                    | Phaseolus (bean).....                     | Colombia (1).                               |
| Colletotrichum omnivorum.....                         | Aspidistra.....                           | Bermuda (1).                                |
| Diplodia sp.....                                      | Mamona.....                               | Colombia (1).                               |
| Do.....   | Palm seed.....                            | Honduras (1).                               |
| Fusarium oxysporum.....                               | Potato.....                               | Peru (1).                                   |
| Fusarium sp.....                                      | Cotton seed.....                          | Colombia (1).                               |
| Do.....   | Pistacia chinensis.....                   | China (1).                                  |
| Do.....   | Radish.....                               | Japan (2).                                  |
| Do.....   | Sansevieria.....                          | Cuba (1).                                   |
| Gloeosporium sp.....                                  | Erythroxyton coca.....                    | Do.   |
| Do.....   | Prosopis juliflora ("Aroma").....         | Philippine Islands (1).                     |
| Heterodera radiculicola (nematode).....               | Clematis Wilsonii.....                    | France (1).                                 |
| Lasiodiplodia sp.....                                 | Sespe.....                                | Colombia (1).                               |
| Macrosporium.....                                     | Radish.....                               | Japan (1).                                  |
| Pestalozzia sp.....                                   | Erythroxyton coca.....                    | Cuba (1).                                   |
| Do.....   | Prunus persica (peach).....               | China (1).                                  |
| Do.....   | Sansevieria.....                          | Cuba (1).                                   |
| Phoma insidiosa.....                                  | Andropogon sp. (wild sorghum seed).....   | Seychelles (2).                             |
| Phoma samararum.....                                  | Fraxinus oxyphylla (ash).....             | Russia (1).                                 |
| Do.....   | Maple.....                                | China (1).                                  |
| Puccinia graminis.....                                | Wheat.....                                | India (8).                                  |
| Sclerotinia sp.....                                   | Radish.....                               | Japan (3).                                  |
| HAWAII.   |   |   |
| Insects:  |   |   |
| Acythopeus aterrimus.....                             | Phalaenopsis schilleriana.....            | Philippine Islands (1).                     |
| Periplaneta americana (American roach).....           | .....                                     | Do.   |



## List, by States, of pests collected—Continued.

| State in which collected and name of pest.               | Host.                           | Country of origin.          |
|--|---------------------------------|-----------------------------|
| <b>INDIANA.</b>  |                                 |                             |
| Insect:<br>Lepidosaphes ulmi (oyster-shell scale).....   | Boxwood.....                    | Holland (1).                |
| Disease:<br>Tubercularia sp.....                         | Acer palmatum (Japanese maple). | Do.                         |
| <b>KANSAS.</b>   |                                 |                             |
| Insect:<br>Lepidosaphes ulmi (oyster-shell scale).....   | Boxwood.....                    | Holland (1).                |
| <b>KENTUCKY.</b>   |                                 |                             |
| Insects:<br>Aphid.....                                   | Japanese maple.....             | Holland (1).                |
| Coccus hesperidum (soft brown scale).....                | Bay.....                        | Belgium (1).                |
| Lepidosaphes ulmi (oyster-shell scale).....              | Boxwood.....                    | Holland (2).                |
| Disease:<br>Bacterium tumefaciens (crown gall).....      | Crataegus.....                  | Holland (1).                |
| <b>MARYLAND.</b>   |                                 |                             |
| Insects:<br>Aspidiotus hederæ (ivy scale).....           | Palm.....                       | Belgium (1).                |
| Notolophus antiqua (European tussock moth) (eggs).       | Rose.....                       | Holland (1).                |
| <b>MASSACHUSETTS.</b>                                    |                                 |                             |
| Insects:<br>Aphids.....                                  | Hydrangea.....                  | Holland (1).                |
| Do.....  | Japanese maple.....             | Do.                         |
| Aspidiotus hederæ (ivy scale).....                       | Bay.....                        | Belgium (3).                |
| Do.....  | Camellia.....                   | France (1).                 |
| Do.....  | Palm.....                       | Belgium (1).                |
| Chrysomphalus ficus (Florida red scale).....             | do.....                         | Belgium (2).                |
| Coccus hesperidum (soft brown scale).....                | Bay.....                        | Do.                         |
| Lecanium sp. (scale insect).....                         | Boxwood.....                    | Holland (1).                |
| Lepidosaphes ulmi (oyster-shell scale).....              | do.....                         | Do.                         |
| Strophosomus coryli (weevil).....                        | Oak.....                        | Do.                         |
| Diseases:<br>Bacterium tumefaciens (crown gall).....     | Flowering cherry.....           | Do.                         |
| Do.....  | Syringa.....                    | France (1).                 |
| Botrytis sp.....   | Laurus.....                     | Holland (1).                |
| <b>MINNESOTA.</b>  |                                 |                             |
| Insects:<br>Aphids.....                                  | Berberis vulgaris.....          | France (1).                 |
| Do.....  | Juniperus virginiana.....       | Holland (1).                |
| Lepidosaphes ulmi (oyster-shell scale).....              | Crataegus.....                  | Do.                         |
| Do.....  | Sorbus.....                     | Do.                         |
| Disease:<br>Bacterium tumefaciens (crown gall).....      | Rose.....                       | Do.                         |
| <b>MISSOURI.</b>   |                                 |                             |
| Insects:<br>Chrysomphalus ficus (Florida red scale)..... | Palm.....                       | Belgium (1).                |
| Diaspis boisduvalii (scale insect).....                  | do.....                         | Do.                         |
| Hemichionaspis aspidistrae (aspidistra scale).....       | Aspidistra.....                 | Do.                         |
| <b>NEW HAMPSHIRE.</b>                                    |                                 |                             |
| Insect:<br>Lepidosaphes ulmi (oyster-shell scale).....   | Crataegus sp.....               | Holland (1).                |
| <b>NEW JERSEY.</b>                                       |                                 |                             |
| Insects:<br>Aspidiotus britannicus (scale insect).....   | Bay.....                        | Belgium (1).                |
| Aspidiotus hederæ (ivy scale).....                       | Orchid.....                     | England (1).                |
| Do.....  | Palm.....                       | Belgium (14), Scotland (1). |
| Blaberus sp. (roach).....                                | Orchid.....                     | Colombia (1).               |
| Chermes abietis (aphid).....                             | Spruce.....                     | England (1).                |

## List, by States, of pests collected—Continued.

| State in which collected and name of pest.   | Host.                | Country of origin.   |
|--|----------------------|--|
| <b>NEW JERSEY—continued.</b>   |                      |  |
| <b>Insects—Continued.</b>  |                      |  |
| Chionaspis furfura (scurfy scale).....   | Crataegus.....       | Holland (1).   |
| Chrysomphalus biformis (scale insect).....   | Orchid.....          | Colombia (1), Guatemala (1).                               |
| Chrysomphalus dictyospermi (scale insect).....   | Palm.....            | Belgium (9), Scotland (1).                                 |
| Chrysomphalus ficus (Florida red scale).....   | do.....              | Belgium (2), Scotland (1).                                 |
| Chrysomphalus perseae (scale insect).....  | Orchid.....          | Colombia (1), Guatemala (1),<br>Mexico (1), Venezuela (1). |
| Coccus hesperidum (soft brown scale).....  | Aralia.....          | Belgium (1).   |
| Do.....  | Bay.....             | Belgium (6), Holland (2).                                  |
| Grasshopper nymphs.....  | Orchid.....          | Venezuela (1).   |
| Hemichionaspis aspidistrae (aspidistra scale).....                                     | Aspidistra.....      | Belgium (6), Holland (2).                                  |
| Lepidosaphes ulmi (oyster-shell scale).....  | Boxwood.....         | Holland (1).   |
| Do.....  | Crataegus.....       | Do.  |
| Do.....  | Poplar.....          | England (1).   |
| Periplaneta australasiae (Australian roach).....                                       | Orchid.....          | Venezuela (1).   |
| Pseudococcus sp. (mealy bug).....  | Bay.....             | Belgium (2).   |
| Do.....  | Crotons.....         | Belgium (1).   |
| Do.....  | Fuchsia.....         | England (1).   |
| Do.....  | Heliotrope.....      | Do.  |
| Do.....  | Orchid.....          | Guatemala (1).   |
| Do.....  | Palm.....            | Belgium (5).   |
| Pseudoscorpions.....   | Orchid.....          | Venezuela (1).   |
| Saissetia oleae (black scale).....   | Aralia.....          | Belgium (1).   |
| Springtails.....   | Orchid.....          | Venezuela (1).   |
| Tenthoris bicolor (Capsidae).....  | do.....              | Colombia (1), Venezuela (1).                               |
| Tingitid eggs (lacewing).....  | Rhododendron.....    | England (1), Holland (1).                                  |
| <b>Disease:</b>  |                      |  |
| Botrytis sp.....   | Fir.....             | Holland (1).   |
| <b>NEW YORK CITY (FEDERAL INSPECTION).</b>   |                      |  |
| <b>Insects:</b>  |                      |  |
| Leaf miners.....   | Orchid.....          | Colombia (3).  |
| Prenolepis longicornis (ant).....  | do.....              | Colombia (1), Venezuela (1).                               |
| Tenthoris bicolor (Capsidae).....  | do.....              | Brazil (1), Colombia (7), Venezuela (5).                   |
| <b>Diseases:</b>   |                      |  |
| Colletotrichum gloeosporioides.....  | do.....              | Colombia (1).  |
| Diplodia.....  | do.....              | Brazil (1).  |
| Gloeosporium.....  | do.....              | Do.  |
| Septoria oleandrina.....   | Nerium oleander..... | Bermuda (1).   |
| Uredo sp.....  | Orchid.....          | Venezuela (1).   |
| <b>NEW YORK.</b>   |                      |  |
| <b>Insects:</b>  |                      |  |
| Euproctis chrysorrhoea (brown-tail moth) (nests with dead caterpillars).....           | Apple seedling.....  | France (1).  |
| Euproctis chrysorrhoea (brown-tail moth) (piece of nest with 5 live caterpillars)..... | ?.....               | Do.  |
| Papilio podolarius (lepidopterous) (2 chrysalids).....                                 | ?.....               | Do.  |
| Porthetria dispar (gipsy moth) (broken egg mass).....                                  | Beech seedling.....  | Do.  |
| Trichiosoma tibialis (sawfly) (3 cocoons).....   | ?.....               | Do.  |
| <b>NORTH CAROLINA.</b>   |                      |  |
| <b>Insect:</b>   |                      |  |
| Notolophus antiqua (European tussock moth) (eggs).....                                 | Maple.....           | France (1).  |
| Do.....  | Sycamore.....        | Do.  |
| <b>OHIO.</b>   |                      |  |
| <b>Insect:</b>   |                      |  |
| Lepidosaphes ulmi (oyster-shell scale).....  | Boxwood.....         | Holland (1).   |

## List, by States, of pests collected—Continued.

| State in which collected and name of pest.         | Host.  | Country of origin.        |
|--|--|---------------------------|
| <b>PENNSYLVANIA.</b>                               |  |                           |
| <b>Insects:</b>                                    |  |                           |
| Aphids.....  | Maple.....   | Holland (1).              |
| Aspidiotus hederæ (ivy scale).....                 | Aspidistra.....  | Bermuda (1).              |
| Do.....  | Palm.....  | Belgium (7).              |
| Do.....  | Pandanus.....  | Bermuda (1).              |
| Coccus hesperidum (soft brown scale).....          | Bay.....   | Belgium (3).              |
| Do.....  | Palm.....  | Belgium (4).              |
| Eriophyes buxi (mite).....                         | Boxwood.....   | Holland (1).              |
| Hemichionaspis aspidistrae (aspidistra scale)..... | Aspidistra.....  | Belgium (1).              |
| Lepidosaphes ulmi (oyster-shell scale).....        | Boxwood.....   | Holland (2).              |
| Leptobyrssa explanata (Tingitidae) (eggs).....     | Rhododendron.....                                      | England (1).              |
| Mite eggs.....                                     | Junipers.....  | Holland (1).              |
| Pseudococcus sp. (mealy bug).....                  | Palm.....  | Belgium (1).              |
| Psylla buxi (box psylla).....                      | Boxwood.....   | Holland (6).              |
| <b>Diseases:</b>                                   |  |                           |
| Clithris quercina.....                             | ?.....   | France (1).               |
| Colletotrichum omnivorum.....                      | Aspidistra.....  | Belgium (1), Bermuda (1). |
| Fusarium sp.....                                   | Tilia europaea (European linden).<br>Rhododendron..... | Holland (1).              |
| Pestalozzia guepini.....                           | do.....  | Holland (4).              |
| Pestalozzia sp.....                                | English oak.....                                       | Do.                       |
| Valsa sp. (conidial stage).....                    |  | France (1).               |
| <b>RHODE ISLAND.</b>                               |  |                           |
| <b>Insect:</b>                                     |  |                           |
| Fiorinia theae (tea scale).....                    | Camellia.....  | Azores Islands (1).       |
| <b>SOUTH CAROLINA.</b>                             |  |                           |
| <b>Insects:</b>                                    |  |                           |
| Aspidiotus hederæ (ivy scale).....                 | Palm.....  | Belgium (1).              |
| Coccus hesperidum (soft brown scale).....          | Bay.....   | Do.                       |